Reducing Cholera in La Gonave, Haiti

Brandon Coll
Worcester Polytechnic Institute

Michaela Dowling
Worcester Polytechnic Institute

Megan Hanshaw
Worcester Polytechnic Institute

Charlotte Moore
Worcester Polytechnic Institute

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Reducing Cholera in La Gonâve

Problem
• 703,510 cases of cholera have been reported
• Only 10% of the population on La Gonâve gets improved water

Goal
To determine and recommend the best solution that will eliminate or reduce cholera in the waterways of a community in La Gonâve, Haiti

Objectives
1. Identify cholera sources
2. Select the best solution for the community
3. Create steps for implementation

Recommended Implementation Plan
1. Connect with a non-profit organization
2. Train workers to build and maintain Biosand filter
3. Gather and ship materials
4. Develop a payment plan and distribution system with the community
5. Construct the filters on La Gonâve
6. Have workers annually check the functionality and usage of the filters

Methods
• Researched cholera
• Researched rural Haiti
• Interviewed Ashley Gilbert (Seven Hills Foundation)
• Focused research on La Gonâve
• Interviewed a nurse-practitioner and relief-aid worker
• Shifted solution research to Biosand Filter
• Interviewed co-founder of Roots of Development
• Adjusted implementation based on feedback from last interview

Solution
Work with a non-profit organization to implement bio-sand water filters

Effects of Cholera

Brandon Coll (RBE), Michaela Dowling (ME), Megan Hanshaw (CE), Charlotte Moore (ME)
Advisor: Professor Derren Rosbach (CEE, SSPS), Professor Elisabeth Stoddard (SSPS)